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INFORMATION DISCLOSURE
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Sheet

1

of

7

Application Number	10/712,154
Filing Date	November 12, 2003
First Named Inventor	Erol Bozak
Art Unit	2192
Examiner Name	Eric B. Kiss
Attorney Docket Number	09700.0033-00000

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No.	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
		2001/0049594	12/6/2001	Klevans	
		2001/0054034	12/20/2001	Arning et al.	
		2002/0167954	11/14/2002	Highsmith et al.	
		2002/0194251	12/19/2002	Richter et al.	
		2003/0033369	2/13/2003	Bernhard	
		2003/0041130	2/27/2003	Harrisville-Wolff et al.	
		2003/0041142	2/27/2003	Zhang et al.	
		2003/0088580	5/8/2003	Desai et al.	
		2003/0093528	5/15/2003	Rolia	
		2003/0101331	5/29/2003	Boylan et al.	
		2003/0126196	7/3/2003	Lagimonier et al.	
		2003/0126265	7/3/2003	Aziz et al.	
		2003/0197726	10/23/2003	Weitzman	
		2004/0179481	9/16/2004	Graupner	
		2004/0215590	10/28/2004	Kroening	
		2004/0215973	10/28/2004	Kroening	
		2004/0255291	12/16/2004	Sierer et al.	
		2004/0261053	12/23/2004	Dougherty et al.	
		2004/0268147	12/30/2004	Wiederin et al.	
		2005/0015437	1/20/2005	Strait	
		2005/0015643 A1	1/20/2005	Davis et al.	
		2005/0027785	2/3/2005	Bozak et al.	
		2005/0027812	2/3/2005	Bozak et al.	
		2005/0027813	2/3/2005	Bozak et al.	
		2005/0027864	2/3/2005	Bozak et al.	
		2005/0027865	2/3/2005	Bozak et al.	
		2005/0044251	2/24/2005	Bozak et al.	
		2005/0060272	3/17/2005	Lin	

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2

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		Number-Kind Code (if known)			
		2005/0076105	4/7/2005	Keohane et al.	
		2005/0076339	4/7/2005	Merril et al.	
		2005/0131898	6/16/2005	Fatula, Jr.	
		2005/0138156	6/23/2005	Gebhart et al.	
		2005/0138618	6/23/2005	Gebhart	
		2005/0149294	7/7/2005	Gebhart	
		2005/0160107	7/21/2005	Liang	
		2005/0160423	7/21/2005	Bantz et al.	
		2005/0165912	7/28/2005	Colbeck et al.	
		2005/0235055	10/20/2005	Davidson	
		2006/0005181	1/5/2006	Fellenstein et al.	
		2006/0015285	1/19/2006	Fuller et al.	
		2006/0075070	4/6/2006	Merissant-Coffinieres et al.	
		2006/0136506	6/22/2006	Gebhart et al.	
		2006/0168158	7/27/2006	Das	
		2006/0168174	7/27/2006	Gebhart et al.	
		2006/0294238	12/28/2006	Naik et al.	
		2008/0052729	2/28/2008	Paul et al.	
		5,276,789	1/4/1994	Besaw et al.	
		5,440,722	8/8/1995	VanderSpek et al.	
		5,539,883	7/23/1996	Allon et al.	
		5,572,724	11/5/1996	Watanabe et al.	
		5,659,694	8/19/1997	Bibayan	
		5,699,532	12/16/1997	Barrett et al.	
		5,761,429	6/2/1998	Thompson	
		5,784,552	7/21/1998	Bishop et al.	
		5,996,012	11/30/1999	Jarriel	
		6,061,505	5/9/2000	Pitchaikani et al.	

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3

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		Number-Kind Code (if known)			
		6,098,108	8/1/2000	Sridhar et al.	
		6,182,086	1/30/2001	Lomet et al.	
		6,209,018	3/27/2001	Ben-Shachar et al.	
		6,226,675	5/1/2001	Meltzer et al.	
		6,256,740	7/3/2001	Muller et al.	
		6,289,382	9/11/2001	Bowman-Amuah	
		6,385,639	5/7/2002	Togawa	
		6,401,097	6/4/2002	McCotter et al.	
		6,453,349	9/17/2002	Kano et al.	
		6,466,980	10/15/2002	Lumelsky et al.	
		6,502,131	12/31/2002	Vaid et al.	
		6,615,278	9/2/2003	Curtis	
		6,628,304	9/30/2003	Mitchell et al.	
		6,650,347	11/18/2003	Nulu et al.	
		6,789,170	9/7/2004	Jacobs et al.	
		6,799,251	9/28/2004	Jacobs et al.	
		6,826,568	11/30/2004	Bernstein et al.	
		6,832,220	12/14/2004	Rahman	
		6,834,301	12/21/2004	Hanchett	
		6,859,834	2/22/2005	Arora et al.	
		6,912,587	6/28/2005	O'Neil	
		6,967,728	11/22/2005	Vidyanand	
		6,976,258	12/13/2005	Goyal et al.	
		7,010,596	3/7/2006	Bantz et al.	
		7,051,107	5/23/2006	Morikawa	
		7,096,248	8/22/2006	Masters et al.	
		7,130,891	10/31/2006	Bernardin et al.	
		7,171,470	1/30/2007	Doyle et al.	

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4

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		Number-Kind Code (if known)			
		7,171,654	1/30/2007	Werme et al.	
		7,181,743	2/20/2007	Werme et al.	
		7,185,046	2/27/2007	Ferstl et al.	
		7,234,032	6/19/2007	Durham et al.	
		7,322,031	1/22/2008	Davis et al.	
		7,328,406	2/5/2008	Kalinowski et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation
		Country Code Number Kind Code (if known)				
		WO 01/13227 A2				

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation
		ArshadAli, et al., "Predicting the Resource Requirements of a Job Submission," September 27, 2004.	
		"Caching In on the Enterprise Grid Turbo-Charge Your Applications with OracleAS Web Cache," An Oracle Technical White Paper, << http://www.oracle.com/technology/products/ias/web_cache/pdf/WebCache1012_tw_p.pdf >>, February 7, 2006.	
		"eserver xSeries 335 Type 8676 User's Guide," February 2003, IBM Product User's Guide, Chapter 1, pages 1-12.	
		"hp blade server data sheet," HP Blade Server Data Sheet, November 2001, pp. 2-6.	
		"IBM eserver xSeries 335," Publication date unknown, IBM Data Sheet, accessed online on 12/27 at < http://www.ibm.com/servers/uk/eserver/xseries/literature/xseries_335.html >, 2 pages.	
		"Intro to Grid Computing with Globus," IBM Redbooks - file: sg246895. Copyright September 2003.	
		Allcock, et al., "GridMapper: A Tool for Visualizing the Behavior of Large-Scale Distributed Systems," Proceedings 11th IEEE International Symposium on High Performance Distributed Computing IEEE Comput. Soc., Piscataway, NJ, pp. 179-187, July 2002.	

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5

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NON PATENT LITERATURE DOCUMENTS

	Allen, et al., "The Cactus Worm: Experiments With Dynamic Resource Discovery and Allocation in a Grid Environment," International Journal of High Performance Computing Applications Sage Science Press, Vol. 15, No. 4, pp. 345-358, 2001.	
	Baldridge, Kim K. et al., "QMView and GAMESS: Integration into the World Wide Computational Grid," IEEE, pp. 1-25, 2002.	
	Berman et al., "The GrADS Project: Software Support for High-Level Grid Application Development," International Journal of High Performance Computing Applications, Sage Science Press, Vol. 15, No. 4, pp. 327-344, July 31, 2001.	
	Braden, R. et al., "Resource ReSerVation Protocol (RSVP), Version 1 Functional Specification," August 12, 1996.	
	Cactus 4.0, User's Guide, Rev. 1.45, Chapter D9, dated January 19, 2004 (3 pages).	
	Chase, Jeffrey S., et al., "Dynamic Virtual Clusters in a Grid Site Manager," High Performance Distributed Computing, 2003, Proceedings 12th IEEE International Symposium on June 22-24, 2003, pp. 90-100.	
	Liu, Chuang et al., "Design and Evaluation of a Resource Selection Framework for Grid Applications," High Performance Distributed Computing 2002, HPDC-11, 2002, Proceedings 11th IEEE International Symposium, July 23-26, 2002, pp. 63-72.	
	Czajkowski, Karl et al., "Resource Co-Allocation in Computational Grid: High-Performance Distributed Computing Archive," Proceedings of the 8th IEEE International Symposium on High Performance Distributed Computing Table of Contents, 1999.	
	Dubinsky et al., "A Flexible Rerouting Protocol in ATM Networks," IEEE Infocom '99, Conference on Computer Communications, Proceedings, 18th Annual Joint Conference of the IEEE Computer and Communications Societies, Vol. 3, pp. 1488-1496, March 1999.	
	European Examination Report, dated August 1, 2007, for corresponding EP Application No. 05 027 222.8 (5 pages).	
	European Search Report dated March 13, 2006, for corresponding EP Application No. 05 02 7543 (7 pages).	
	European Search Opinion, dated May 18, 2006, for corresponding EP Application No. 05 027 222.8 (5 pages).	
	European Search Report dated March 15, 2006 pertaining to Application No. 05027221.0 - 2211.	
	European Search Report for Application No. 05027222.8, dated May 18, 2006 (9 pages).	
	Foster, Ian et al., "A Distributed Resource Management Architecture that Supports Advance Reservations and Co-allocation," IEEE 1999.	
	Gawor et al., "CoG Kits: A Bridge Between Commodity Distributed Computing and High-Performance," Retrieved from the Internet: http://www-unix.mcs.anl.gov , June 2000.	
	Goodale et al., "Checkpoint/Recovery in Cactus 4.0," October 16, 2002 (7 pages).	

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--------------------	--	-----------------	--

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6

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NON PATENT LITERATURE DOCUMENTS			
		Grid Computing Q&A with Benny Souder, Vice President, Distributed Database Development, Database and Application Server Technologies, General Q&As, 10 pages.	
		International Search Report for PCT/EP2004/008406.	
		International Search Report for PCT/EP2004/008407.	
		International Search Report for PCT/EP2004/008408.	
		International Search Report for PCT/EP2004/008409.	
		International Search Report for PCT/EP2004/008448.	
		International Search Report for PCT/EP2004/008449.	
		Ito, T. et al., "Cooperative Processing Method Among Application Programs," PTO 08-0614, United States Patent and Trademark Office, Washington, D.C., pp. 0-117, November 2007.	
		Jang et al., "A Path Based Internet Cache Design for GRID Application," Lecture Notes in Computer Science, December 2003, pp. 455-458.	
		Konya, B., "The NorduGrid Information System," Retrieved from the Internet: http://www.nordugrid.org , September 16, 2002.	
		Konya, B., et al., "The NorduGrid Architecture and Tools," Retrieved from the Internet: http://www.nordugrid.org , March 2002.	
		Lee et al., "visPerf. Monitoring Tool for Grid Computing," Retrieved from the Internet: http://icl.cs.utk.edu/projectsfiles/netsolve/pubs/visperf.pdf , pp. 1-13, June 2003.	
		Li, Y. et al., "Improving Performance via Computational Replication on a Large-Scale Computational Grid," Computer Society, pp. 1-8.	
		Limaye, K. et al., "Grid aware HA-OSCAR," high Performance Computing Systems and Applications, 2005. HPCS 2005. 19th International Symposium on, Vol. No. pp. 333-339, 15-18 May 2005.	
		Liu, et al., "Design and Evaluation of a Resource Selection Framework for Grid Applications," Proceedings 11th IEEE International Symposium on High Performance Distributed Computing IEEE Comput. Soc., Piscataway, NJ, pp. 63-72, July 2002.	
		Nabrzyski Jared et al., "Grid Resource Management, State of the Art and Future Trends," September 2003, Kluwer Academic Publishers	
		Oracle RAC 10g Overview, Oracle, An Oracle White Paper, pp. 1-16, November 2003.	
		Rajkumar Buyya; Nimrod/G., "An Architecture for a Resource Management and Scheduling System in a Global Computational Grid," IEEE Computer Society Press, USA, 2000.	
		Rajkumar, Buyya, "Economic-based Distributed Resource Management and Scheduling for Grid Computing," April 2002.	
		Sgaravatto et al., "Grid Checkpointing in the European DataGrid Project," October 16, 2002 (5 pages).	

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NON PATENT LITERATURE DOCUMENTS

	Special Edition Using Microsoft Excel 2000, Copyright 1999 by Que Corpl. Pg. 67-68.	
	Tierney, et al., "White Paper: A Grid Monitoring Service Architecture (DRAFT), Retrieved from the internet http://citeseer.ist.psu.edu/530951.htm , February 2001.	
	Ting et al., "3LS: A Peer-to-Peer Network Simulator," Copyright September 2003.	
	U.S. Patent Application No. 12/326,441, filed December 2, 2008 entitled "Grid Organization."	
	Vadhiyar et al., "A Performance Oriented Migration Framework for the Grid," Proceedings of the Third IEEE/ACM International Symposium on Cluster Computing and the Grid IEEE Comput. Soc., Los Alamitos, CA, pp. 130-137, May 2003.	
	Von Laszewski, et al., "Designing Grid-based Problem Solving Environments and Portals," Proceedings of the 34th Annual Hawaii International Conference on System Sciences IEEE Comput. Soc., Los Alamitos, CA, pp. 1-10, January 2001.	
	Waananen, et al., "An Overview of an Architecture Proposal for a High Energy Physics Grid," Applied Parallel Computing, Advanced Scientific Computing, 6th International Conference, pp. 76-86, June 2002.	
	Walsh, et al., "Staged Simulation for Improving Scale and Performance of Wireless Network Simulations," Institute of Electrical and Electronics Engineers, Proceedings of the 2003 Winter Simulation Conference, New Orleans, December 7-10, 2003, IEEE, Vol.2 of 2, pp. 667-675.	
	Zhang et al., "Fault-tolerant Grid Services Using primary-Backup: Feasibility and Performance," Cluster Computing, 2004 IEEE International Conference, San Diego, CA September 20-23, 2004, pp. 105-114.	

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